

**Technical Data // Series 3012/2GS**

Switching Test Probe with Easy-Replacement System 138 mil / 3.5 mm - Switching Travel 4.0 mm

HIGHLIGHTS

Test Probe with switching function for cable harness test and presence verification

Easy-replacement system (replacement without soldering)

Version for large tip diameters

Variable extension height

Switching travel 4.0 mm

High soldering temperature up to 300°C

MECHANICAL DATA

Center	3.50 mm/138 mil
Temperature range	-30 °C - +120 °C
Full travel	4.20 mm
Working travel	4.00 mm
Switching travel	4.00 mm
Pre-loaded spring force	0.12/ 0.25/ 0.30/ 0.40/ 0.50/ 0.60/ 1.40/ 1.80/ 1.70/ 2.00/ 2.70/ 2.00/ 5.00/ 4.00 N
Spring force at working travel	0.25/ 0.75/ 1.30/ 1.80/ 2.00/ 3.00/ 6.00/ 6.50/ 8.00/ 8.50/ 9.00/ 9.50/ 12.00/ 12.50 N
Spring force at switching travel	0.25/ 0.75/ 1.30/ 1.80/ 0.95/ 3.00/ 6.50/ 7.00/ 8.00/ 8.50/ 9.00/ 9.50/ 12.00/ 12.50 N

ELECTRICAL DATA**Receptacle-Plunger**

Max. current rating	5.0 A
Typical continuity resistance	<= 15 mOhm

Pin-Plunger

Max. current rating	1.0 A
Typical continuity resistance	<= 50 mOhm
Typical insulating voltage	1000 V

MATERIALS

Barrel	Brass, gold-plated
Spring	Spring Steel, gold-plated
Plunger	Steel, CuBe
Receptacle	Brass, gold-plated

RECOMMENDED DIAMETER OF DRILL**H 3011/GWR5 (/R /RK)**

HP 2361.1 (trolitax)	3.02 mm
HGW 2372 (glass filled material)	3.04 mm

H 3011/K (/5K)

HP 2361.1 (trolitax)	3.01 mm
HGW 2372 (glass filled material)	3.02 mm

AVAILABLE SCREW TOOLS

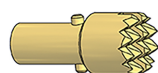
Article Designation	max. Tip Diameter
WFSB 3012/G-S1.8	alle
WFSB 3012/G-4.0-2.6	2.6



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TIP STYLE - DIAMETER - PLATING



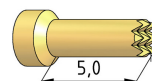
C
3.00C Au
4.00C Au



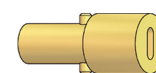
CK
2.27C Au



CL
2.30C Au
3.00C Au



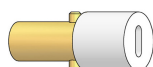
C5
1.00 Au



F
3.00C Au
3.50C Au
4.00C Au
4.50C Au
5.00C Au
5.50C Au 5.90 C Au



FL
3.00C Au
3.50C Au
4.00C Au
4.50C Au



F1
2.30 HTK
3.00 HTK
3.50 HTK
4.00 HTK
4.50 HTK
5.00 HTK 5.50 HTK
5.90 HTK

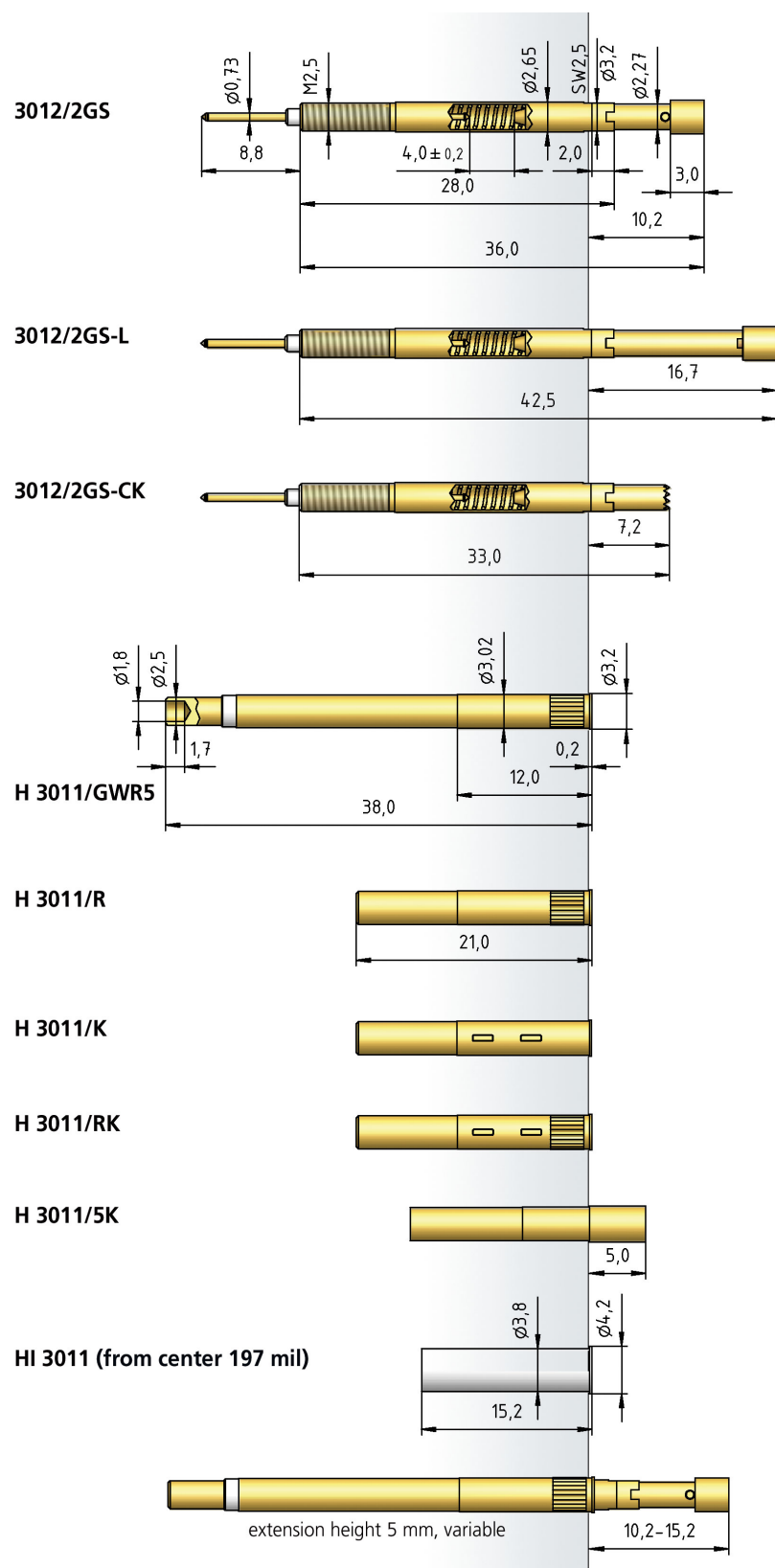


F1L
3.00 HTK
3.50 HTK
4.00 HTK
4.50 HTK
5.00 HTK
5.50 HTK 5.90 HTK



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PTR HARTMANN

A Phoenix Mecano Company

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HOW TO ORDER

3012/ 2 G S - F - 1.8 N - Au - 3.0 C /SH4.0

1 2 3 4 5 6 7 8 9 10

- 1. Series 2. Collar Height 3. Threaded Design
- 4. Plug-in Connector 5. Tip Style 6. Spring Force
- 7. Tip Plating 8. Tip Diameter 9. Tip Material (only for CuBe)
- 10. Switching Travel